

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: METALUX

Report Number: P565581

Luminaire Tested: **2SNX-23SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565581  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-23SL-SLW-UNV-L850-CD  
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

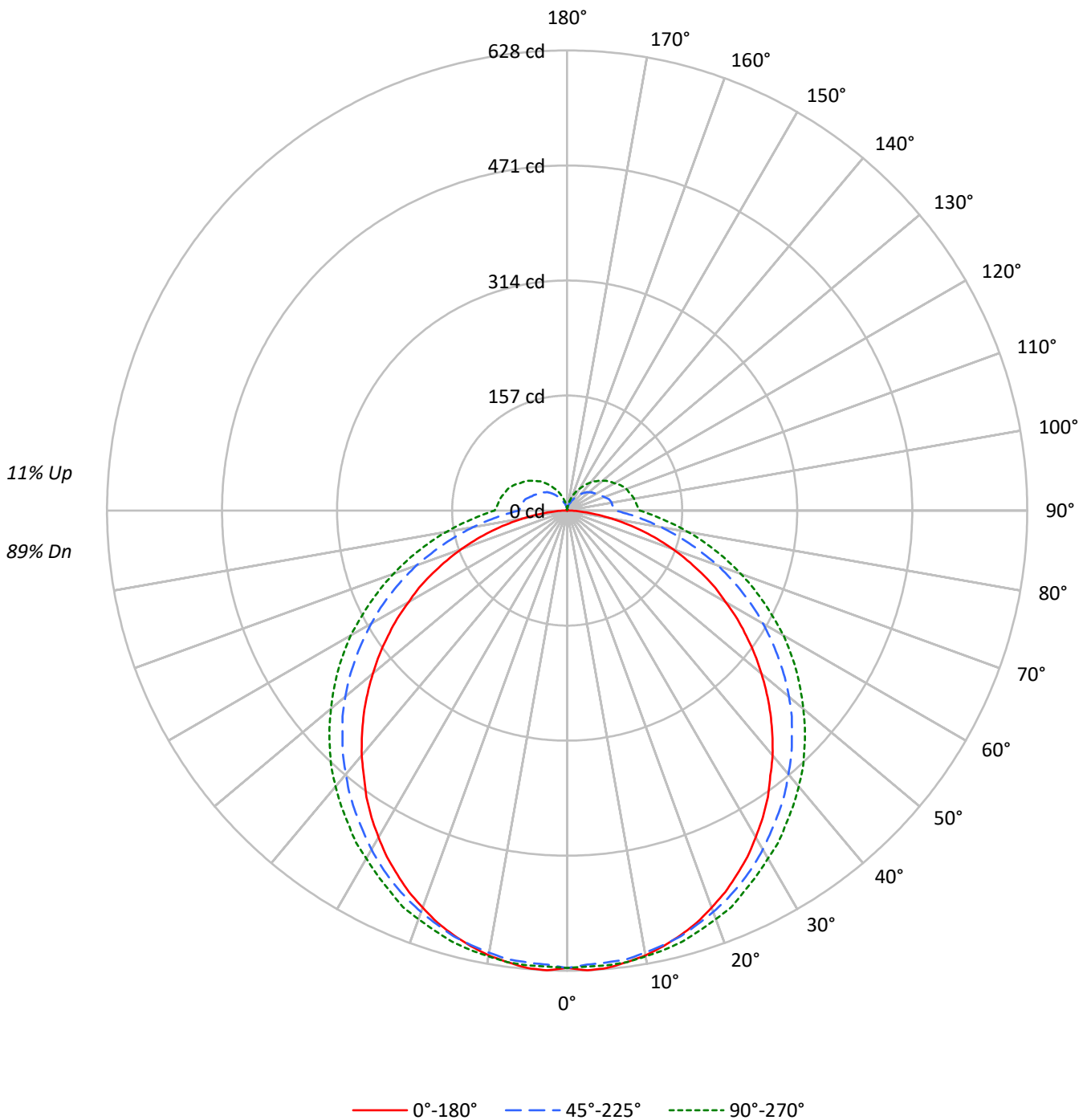
Lumens per Lamp: N/A  
Luminaire Lumens: 2222.0 lumens  
Efficiency: N/A  
Efficacy: 149.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 14.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	13438	13438	13438
5°	13494	13075	13081
10°	13377	12796	12756
15°	13219	12509	12458
20°	13011	12185	12127
25°	12774	11867	11780
30°	12498	11520	11435
35°	12195	11161	11114
40°	11849	10805	10805
45°	11473	10445	10471
50°	11048	10065	10098
55°	10580	9609	9731
60°	10030	9126	9322
65°	9449	8579	8807
70°	8650	7981	8302
75°	7598	7222	7745
80°	5941	6452	7195
85°	3887	5771	6630



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.3	2.7
10°-20°	170.4	7.7
20°-30°	259.1	11.7
30°-40°	314.5	14.2
40°-50°	332.4	15.0
50°-60°	311.0	14.0
60°-70°	255.2	11.5
70°-80°	175.5	7.9
80°-90°	96.1	4.3
90°-100°	61.9	2.8
100°-110°	55.6	2.5
110°-120°	46.0	2.1
120°-130°	35.4	1.6
130°-140°	24.9	1.1
140°-150°	15.0	0.7
150°-160°	7.2	0.3
160°-170°	2.4	0.1
170°-180°	0.3	0.0
0°-30°	488.8	22.0
0°-40°	803.3	36.2
0°-60°	1446.7	65.1
0°-90°	1973.5	88.8
90°-120°	163.4	7.4
90°-150°	238.7	10.7
90°-180°	249.0	11.2
0°-180°	2222.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	627	626	619	624	623	59
15°	600	602	601	609	609	169
25°	548	555	561	573	573	253
35°	478	489	503	517	521	298
45°	392	410	434	453	458	303
55°	299	323	353	374	382	267
65°	202	229	264	288	296	200
75°	106	134	172	200	208	111
85°	23	55	94	120	129	27
90°	0	31	66	90	99	2
95°	0	30	63	86	95	0
105°	0	24	59	81	89	1
115°	1	22	50	72	81	1
125°	1	18	42	62	70	1
135°	1	14	35	50	57	1
145°	1	10	24	39	42	1
155°	1	6	15	24	28	1
165°	1	4	8	12	14	0
175°	1	1	3	3	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	624.2	624.2	624.2	624.2	624.2
2.5°	628.0	626.7	620.3	625.5	622.9
5°	626.7	625.5	619.0	624.2	622.9
7.5°	621.6	621.6	617.7	622.9	621.6
10°	616.4	616.4	612.6	619.0	617.7
12.5°	608.7	610.0	607.4	615.2	613.9
15°	599.7	602.3	601.0	608.7	608.7
17.5°	589.4	592.0	592.0	601.0	601.0
20°	576.5	580.4	583.0	593.3	593.3
22.5°	563.7	568.8	572.7	581.7	585.6
25°	548.2	554.7	561.1	572.7	572.7
27.5°	532.8	540.5	548.2	559.8	561.1
30°	514.8	523.8	534.1	545.7	548.2
32.5°	496.8	508.3	518.6	532.8	536.7
35°	477.5	489.0	503.2	517.3	521.2
37.5°	455.6	469.7	487.7	503.2	507.1
40°	436.3	451.7	469.7	487.7	491.6
42.5°	414.4	431.1	453.0	469.7	476.2
45°	392.5	410.5	433.7	453.0	458.1
47.5°	369.4	389.9	415.7	433.7	440.1
50°	346.2	368.1	395.1	415.7	420.8
52.5°	323.0	346.2	374.5	395.1	401.5
55°	298.6	323.0	352.6	374.5	382.2
57.5°	275.4	299.9	330.7	353.9	361.6
60°	249.7	278.0	308.9	332.0	341.0
62.5°	227.8	253.5	287.0	310.2	317.9
65°	202.0	229.1	263.8	288.3	296.0
67.5°	177.6	205.9	240.7	266.4	274.1
70°	153.1	181.5	218.8	243.2	252.2
72.5°	128.7	158.3	194.3	221.4	230.4
75°	105.5	133.8	172.4	199.5	208.5
77.5°	81.1	112.0	150.6	177.6	187.9
80°	59.2	91.4	130.0	157.0	167.3
82.5°	39.9	72.1	110.7	137.7	148.0
85°	23.2	55.3	93.9	119.7	128.7
87.5°	11.6	42.5	78.5	104.2	113.3
90°	0.0	30.9	65.6	90.1	99.1
92.5°	0.0	29.6	64.3	87.5	96.5
95°	0.0	29.6	63.1	86.2	95.2
97.5°	0.0	28.3	61.8	86.2	93.9
100°	0.0	27.0	61.8	84.9	92.7
102.5°	0.0	25.7	60.5	83.7	91.4
105°	0.0	24.5	59.2	81.1	88.8
107.5°	1.3	24.5	56.6	79.8	87.5
110°	1.3	23.2	54.1	78.5	86.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	21.9	51.5	75.9	83.7
115°	1.3	21.9	50.2	72.1	81.1
117.5°	1.3	20.6	47.6	69.5	78.5
120°	1.3	20.6	46.3	66.9	74.6
122.5°	1.3	19.3	43.8	64.3	72.1
125°	1.3	18.0	42.5	61.8	69.5
127.5°	1.3	16.7	41.2	59.2	66.9
130°	1.3	15.4	38.6	56.6	63.1
132.5°	1.3	15.4	37.3	52.8	60.5
135°	1.3	14.2	34.7	50.2	56.6
137.5°	1.3	12.9	32.2	47.6	54.1
140°	1.3	11.6	29.6	45.0	50.2
142.5°	1.3	11.6	27.0	41.2	46.3
145°	1.3	10.3	24.5	38.6	42.5
147.5°	1.3	9.0	21.9	34.7	38.6
150°	1.3	9.0	19.3	30.9	34.7
152.5°	1.3	7.7	16.7	28.3	32.2
155°	1.3	6.4	15.4	24.5	28.3
157.5°	1.3	6.4	12.9	20.6	24.5
160°	1.3	5.1	11.6	16.7	20.6
162.5°	1.3	5.1	10.3	14.2	18.0
165°	1.3	3.9	7.7	11.6	14.2
167.5°	1.3	3.9	6.4	9.0	11.6
170°	1.3	2.6	5.1	6.4	9.0
172.5°	1.3	2.6	3.9	3.9	3.9
175°	1.3	1.3	2.6	2.6	1.3
177.5°	1.3	1.3	1.3	1.3	1.3
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)